

02/10/2008

PTO/SB/08A (10-01)  
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Application Number</b>	10/610,487
		<b>Filing Date</b>	June 30, 2003
		<b>First Named Inventor</b>	Eric J. Horvitz
		<b>Art Unit</b>	Unknown
		<b>Examiner Name</b>	Unknown
<b>Sheet</b>	1	of	4
		<b>Attorney Docket Number</b>	MS303526.1 / MSFTP474US

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
A.Z. ↓		US- 5,493,692	2-20-96	Theimer, et al.	
		US- 5,508,817	4-16-96	Kuningami	
		US- 5,757,916	5-26-98	MacDoran, et al.	
		US- 5,767,852	6-16-98	Keller, et al.	
		US- 5,812,865	9-22-98	Theimer, et al.	
		US- 5,831,545	11-3-98	Murray, et al.	
		US- 5,928,330	6-27-99	Goetz, et al.	
		US- 5,377,354	12-27-94	Scannell, et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup>	-Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)			
A.Z. ↓		EP	0420779A3	04-03-91	Cherryl A. Dawson, et al.	
		EP	0867823A2	09-30-98	Jeyachandran, et al.	
		EP	0905633A3	07-19-00	Haneda, et al.	
		EP	0905633A2	3-31-99	Haneda, et al.	
		GB	2328110A	2-10-99	Pinard	
		WO	96/35994	11-14-96	Finney, et al.	
		WO	98/37680	8-27-98	Franz, et al.	
		WO	98/47268	10-22-98	Newton, et al.	
		WO	98/58321	12-23-98	Udell, et al.	
		WO	99/06915	2-11-99	Narasimhan, et al.	

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		Filing Date	June 30, 2003
		First Named Inventor	Eric J. Horvitz
		Art Unit	Unknown
		Examiner Name	Unknown
Sheet 2 of 4	Attorney Docket Number	MS303526.1 / MSFTP474US	

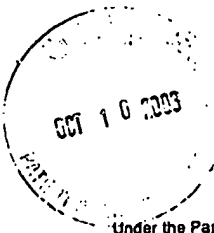
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		US-			
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A.Z. ↓ ▽		WO99/67731		12-29-99	Horvitz, et al.	
		WO99/41720		8-19-99	Gisby, et al.	
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		EP0413537A2		02-20-91	Scannell, et al.	
		JP10079756A		8-27-98	Intervoice, LP	Abstract
		JP08314827A		11-29-96	Hitachi, LTD	Abstract

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		<b>Application Number</b>	10/610,487
		<b>Filing Date</b>	June 30, 2003
		<b>First Named Inventor</b>	Eric J. Horvitz
		<b>Group Art Unit</b>	Unknown
		<b>Examiner Name</b>	Unknown
<b>Sheet</b> 3	<b>of</b> 4	<b>Attorney Docket Number</b>	MS303526.1 / MSFTP474US

<b>OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS</b>			
<b>Examiner Initials<sup>1</sup></b>	<b>Cite No.<sup>1</sup></b>	<b>Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published</b>	<b>T<sup>2</sup></b>
/A.Z./		COSTAS TSATSOULIS, QING CHENG and HSIN-YEN WEI, "Integrating Case-Based Reasoning and Decision Theory", 1997, 10 pages	
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/A.Z./		JACOB PALME, JUSSI KARLGREN, and DANIEL PARAGRAN, "Issues whe designing filters in messaging systems", 1996, 7 pages	

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		Attorney Docket Number	MS303526.1 / MSFTP474US
Sheet	4	of	4

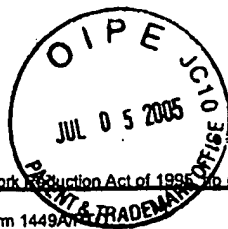
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>2</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
/A.Z./		CHAOMEI CHEN, "Visualising semantic spaces and author co-citation networks in digital libraries", 1999, 20 pages	
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/A.Z./		M. MARX, et al, "Clues: Dynamic Personalized Message Filtering", Proceedings of the ACM 1996 Conference on Computer Supported Cooperative Work, Boston, Nov. 16-20, 1996, pages 113-121	

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Substitute for form 1449A

**SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT  
BY APPLICANT**

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Sheet 1 of 5

**Complete if Known**

Application Number	10/610,487
Filing Date	June 30, 2003
First Named Inventor	Eric J. Horvitz
Art Unit	2141
Examiner Name	Unknown
Attorney Docket Number	MS303526.01/MSFTP474US

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
/A.Z./		US- 6,513,046	01-28-2003	Abbott, III et al.	
		US- 6,747,675	06-08-2004	Abbott et al.	
		US- 6,801,223	10-05-2004	Abbott et al.	
		US- 6,842,877	01-11-2005	Robarts et al.	
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		US- 6,549,915	04-15-2003	Abbott, III et al.	
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Sheet

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of

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Application Number	10/610,487
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		US- 2002/0032689	03-14-2002	Abbott, III et al.	
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## FOREIGN PATENT DOCUMENTS

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Signature**

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				Filing Date	June 30, 2003
				First Named Inventor	Eric J. Horvitz
				Art Unit	2141
				Examiner Name	Unknown
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NON PATENT LITERATURE DOCUMENTS			
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/A.Z./		ANDY HARTER, et al., A Distributed Location System for the Active Office, IEEE Network, 1994, pp. 62-70.	
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		Application Number	10/610,487		
		Filing Date	June 30, 2003		
		First Named Inventor	Eric J. Horvitz		
		Art Unit	2141		
		Examiner Name	Unknown		
Sheet	4	of	5	Attorney Docket Number	MS303526.1/MSFTP474US

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/A.Z./		MIKE SPREITZER et al., Scalable, Secure, Mobile Computing with Location Information, Communications of the ACM, July 1993, 1 page, Vol. 36 - No. 7.	
/A.Z./		ROY WANT, et al., The Active Badge Location System, ACM Transactions on Information Systems, January 1992, pp. 91-102, Vol. 10 - No. 1.	
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/A.Z./		M. BILLINGHURST, et al., An Evaluation of Wearable Information Spaces, Proceedings of the Virtual Reality Annual International Symposium, 1998, 8 pages.	
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/A.Z./		ERIC HORVITZ, et al., In Pursuit of Effective Handsfree Decision Support: Coupling Bayesian Inference, Speech Understanding, and User Models, 1995, 8 pages.	
/A.Z./		BRADLEY J. RHODES, The Wearable Remembrance Agent: A System for Augmented Theory, The Proceedings of The First International Symposium on Wearable Computers, October 1997, pp. 123-128.	
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Sheet <b>5</b> of <b>5</b>	<b>Application Number</b>	10/610,487
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	<b>First Named Inventor</b>	Eric J. Horvitz
	<b>Art Unit</b>	2141
	<b>Examiner Name</b>	Unknown
	<b>Attorney Docket Number</b>	MS303526.1/MSFTP474US

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/A.Z./		THAD EUGENE STARNER, Wearable Computing and Contextual Awareness, Massachusetts Institute of Technology, June 1999, 248 pages.	
/A.Z./		BRADLEY J. RHODES, The Wearable Remembrance Agent: A System for Augmented Memory, Personal Technologies Journal Special Issue on Wearable Computing, 1997, 12 pages.	
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/A.Z./		MARK BILLINGHURST, Research Directions in Wearable Computing, University of Washington, May, 1998, 48 pages.	
/A.Z./		Mark Weiser, The Computer for the 21st Century, Scientific American, September 1991, pp. 94-104, Vol. 265 - No. 3.	

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Filing Date	2003-06-30
First Named Inventor	Eric J. Horvitz, et al.
Art Unit	2141
Examiner Name	Unknown
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	Examiner Name	Unknown	
Attorney Docket Number		MS303526.1/MSFTP474US	

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/A.Z./	2	International Search Report dated September 29, 2003 for PCT Application Serial No. 00/20685, 3 Pages.	<input type="checkbox"/>
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/A.Z./	2	5615325		1997-03-25	Peden	
/A.Z./	3	6590587		2003-07-08	Wichelman, et al.	
/A.Z./	4	6437812		2002-08-20	Giles, et al.	
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/A.Z./	7	5751965		1998-05-12	Mayo, et al.	
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/A.Z./	9	6078322		2000-06-20	Simonoff, et al.	
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/A.Z./	1	M. VAN DANTZICH, D. ROBBINS, E. HORVITZ, and M. CZERWINSKI. Scope: Providing Awareness of Multiple Notifications at a Glance. In Proceedings of AVI 2002, ACM Conference on Advanced Visual Interfaces, 2002. 11 pages	<input type="checkbox"/>
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First Named Inventor	Erc J. Horvitz
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/A.Z./	4	6400810		2002-06-04	Skladman, et al.	
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/A.Z./	9	6829639		2004-12-07	Lawson, et al.	
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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re patent application of

Applicant: **Eric J. Horvitz, et al.**  
Serial No.: **10/610,487**  
Filed: **06/30/2003**  
For: **POSITIONING AND RENDERING NOTIFICATION HERALDS BASED ON USER'S FOCUS OF ATTENTION AND ACTIVITY**  
Art Unit: **2141**  
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1. Pursuant to 37 C.F.R. §1.97 and §1.98, and in compliance with 37 C.F.R. §1.56, the Office's attention is directed to the patents, publications and other information listed on the attached PTO-1449. A copy of each listed document is enclosed except for: (a) pending applications; (b) those previously cited or submitted to the Office in the following application(s) upon which this application relies for an earlier filing date under 35 U.S.C. §120; and/or (c) U.S. Patent(s) and published applications(s).

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Serial No.:	<u>60/189,801</u>	<u>09/596,365</u>	<u>10/220,550</u>	<u>09/881,502</u>
Filing Date:	<u>03/16/2000</u>	<u>06/17/2000</u>	<u>Aug. 30, 2002</u>	<u>June 14, 2001</u>

Regarding any document, publication or other information for which a date is not given on the attached PTO-1449, Applicant(s) believe(s) the same may qualify as "prior" art to this application and should be treated accordingly, although Applicant(s) reserve(s) the right to contest the prior art status of any document, publication or information, should issue arise.

2. The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 50-1063.

Respectfully Submitted,

By   
Himanshu S. Amin  
Reg. No. 40,894

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/Ashraf Zahr/ (02/10/2008)

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

( Not for submission under 37 CFR 1.99)

Application Number	10610487
Filing Date	2003-06-30
First Named Inventor	Eric J. Horvitz
Art Unit	2141
Examiner Name	Unknown
Attorney Docket Number	MS303526.01/MSFTP474US

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/A.Z./	1	6459913		2002-10-01	Cloutier	
/A.Z./	2	5377354		1994-12-27	Scannell, et al.	
/A.Z./	3	6101531		2000-08-08	Eggleston, et al.	
/A.Z./	4	6513026		2003-01-28	Horvitz, et al.	
/A.Z./	5	6301609		2001-10-09	Aravamudan, et al.	
/A.Z./	6	5644363		1997-07-01	Mead	
/A.Z./	7	6144363		2000-11-07	Alloul, et al.	
/A.Z./	8	5784124		1998-07-21	D'Alitalia, et al.	

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	First Named Inventor	Eric J. Horvitz		
	Art Unit		2141	
	Examiner Name	Unknown		
	Attorney Docket Number		MS303526.01/MSFTP474US	

/A.Z./	9	5852440		1998-12-22	Grossman, et al.	
/A.Z./	10	6480207		2002-11-12	Bates, et al.	
/A.Z./	11	6456307		2002-09-24	Bates, et al.	
/A.Z./	12	6425127		2002-07-23	Bates, et al.	
/A.Z./	13	5736974		1998-04-07	Selker	
/A.Z./	14	5717877		1998-02-10	Orton, et al.	
/A.Z./	15	6342908		2002-01-29	Bates, et al.	
/A.Z./	16	5859640		1999-01-12	Dario de Judicibus	
/A.Z./	17	5864848		1999-01-26	Horvitz	
/A.Z./	18	6021403		2000-02-01	Horvitz	
/A.Z./	19	6067565		2000-05-23	Horvitz	

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/A.Z./	20	6327581		2001-12-04	Platt	
/A.Z./	21	6622160		2003-09-16	Horvitz	
/A.Z./	22	6714967		2004-03-30	Horvitz	
/A.Z./	23	6618716		2003-09-09	Horvitz	
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/A.Z./	3	20050248437		2005-11-10	Hellebust, et al.	
/A.Z./	4	20030028603		2003-02-06	Aktas, et al.	

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Attorney Docket Number	MS303526.01/MSFTP474US	

/A.Z./	5	20020087649		2002-07-04	Horvitz	
/A.Z./	6	20020174199		2002-11-21	Horvitz	
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/A.Z./	1	0036493	WO		2000-06-22	Tangis Corporation		<input type="checkbox"/>
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/A.Z./	3	0169387	WO		2001-09-20	Microsoft Corporation		<input type="checkbox"/>
/A.Z./	4	02065250	WO		2002-08-22	Invertix Corporation		<input type="checkbox"/>
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	Attorney Docket Number	MS303526.01/MSFTP474US		

/A.Z./	7	0867823	EP		1998-09-30	Canon Kabushiki Kaisha		<input type="checkbox"/>
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/A.Z./	9	095633	EP		1999-03-31	Sharp Kabushiki Kaisha		<input type="checkbox"/>
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/A.Z./	11	9635994	WO		1996-11-14	Compuserve, Inc.		<input type="checkbox"/>
/A.Z./	12	9837680	WO		1998-08-27	Intervoice LP		<input type="checkbox"/>
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	1	International Search Report dated June 28, 2006 for International Patent Application Serial No. PCT/US04/19915, 4 pages.	<input type="checkbox"/>
/A.Z./	2	ERIC HORVITZ, et al. Models of Attention in Computing and Communication: From Principles to Applications, Communications of the ACM, 46(3): 52-29, March 2003.	<input type="checkbox"/>
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/A.Z./	11	PLATT, Fast training of support vector machines using sequential minimal optimization, in advances in kernel methods, support vector learning, 1999, pages 41-65 MIT Press, Cambridge, MA.	<input type="checkbox"/>

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/A.Z./	12	HORVITZ, Principles of mixed-initiative user interfaces, in proceedings of CHI'99, ACM SIGCHI Conf on Human Factors in Computing Systems, 1999, pages 159-166, Pittsburgh, PA, ACM.	<input type="checkbox"/>
/A.Z./	13	BREESE, et al. Empirical analysis of predictive algorithms for collaborative filtering, in proceedings of the 14th conf on uncertainty in AI, 1998, pages 43-52, AUA, Morgan Kaufmann, San Francisco.	<input type="checkbox"/>
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/A.Z./	15	HORVITZ, Time-critical action: representations and application, in proceedings of the 13th conf on uncertainty in AI (UAI-97), 1997, pages 250-257, Providence, RI, Morgan Kaufmann, San Francisco.	<input type="checkbox"/>
/A.Z./	16	European Search Report dated September 28, 2004 for Application No. EP 05 10 5299, 4 pages.	<input type="checkbox"/>
/A.Z./	17	European Search Report dated July 5, 2004, for Application No. EP 04 00 0621	<input type="checkbox"/>
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/A.Z./	19	ERIC HORVITZ, et al. Models for Attention in Computing and Communication: From Principles to Applications, Communications of the ACM, March 2003, pages 52-59, Vol. 46, No. 3	<input type="checkbox"/>
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